

ACID DIGESTION FOR TOTAL METALS FOR FLAA OR ICP ANALYSIS**EPA 3010A Rev 1 7/92**

Facility Name: _____ VELAP ID _____

Assessor Name: _____ Analyst Name: _____ Inspection Date _____

Relevant Aspect of Standards**Method
Reference****Y****N****N/A****Comments***Records Examined:* SOP Number/ Revision/ Date _____ Analyst: _____

Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____

Note: This prep is NOT applicable for SILVER nor for samples analyzed by graphite furnace AAS?

3010 1.2

Are samples preserved at < 2 with HNO₃?

3010 6.3

Is 100-mL of representative sample transferred to a 150-mL beaker and 3-mL of conc. HNO₃ added?

3010 7.1

Is the beaker covered with a ribbed watch glass and evaporated **without boiling** to ~ 5-mL?

3010 7.1

If sample goes to drying, is the sample discarded?

3010 7.1

Is another 3-mL of HNO₃ added, beaker is covered with non-ribbed watch glass, and the sample refluxed until digestion complete (light in color or no color change)?

3010 7.2

If the sample evaporated to ~ 3-mL without allowing any portion of the beaker bottom to go dry?

3010 7.2

After cooling, is 10-mL of 1:1 HCl added followed by refluxing for 15 minutes?

3010 7.2

After washing down glassware, is sample filtered or centrifuged if necessary?

3010 7.3

Is final sample adjusted to 100-mL?

3010 7.3

Is a blank, duplicate, and matrix spike prepared with each batch or 5%?

3010 8.0

Notes/ Comments: